## Claims

- 1. Sustained-release polymer for amino acid derivative, characterized in that, a polymer containing acidic group is ionically bonded to an amino acid derivative.
- 2. The sustained-release polymer for amino acid derivative according to claim 1, wherein eluting rate  $(\alpha)$  of the amino acid derivative when the polymer is dipped in an artificial sweat liquid is 10% or more and is five times or more of the eluting rate  $(\beta)$  of the amino acid derivative when the polymer is dipped in pure water.
- 3. The sustained-release polymer for amino acid derivative according to claim 1 or 2, wherein the polymer is able to be regenerated when a solution of the amino acid derivative is impregnated thereinto after release of the amino acid derivative.
- 4. The sustained-release polymer for amino acid derivative according to any of claims 1 to 3, wherein the amino acid derivative has the structure as shown by the following formula [I] in its molecule.

(R is a group having one or more basic functional group(s).)

5. The sustained-release polymer for amino acid

derivative according to any of claims 1 to 4, wherein the amino acid derivative is a basic amino acid.

- 6. The sustained-release polymer for amino acid derivative according to any of claims 1 to 5, wherein the amino acid derivative is at least one member selected from the group consisting of arginine, lysine and histidine.
- 7. The sustained-release polymer for amino acid derivative according to any of claims 1 to 6, wherein the polymer containing acidic group has a saturated hygroscopic degree of 20% by weight or more under the condition of  $20^{\circ}\text{C} \times 65\%$  RH.
- 8. The sustained-release polymer for amino acid derivative according to any of claims 1 to 7, wherein the polymer containing acidic group has a carboxyl group.
- 9. The sustained-release polymer for amino acid derivative according to any of claims 1 to 8, wherein the polymer containing acidic group is a polymer of an acrylic acid type.
- 10. The sustained-release polymer for amino acid derivative according to any of claims 1 to 9, wherein the polymer containing acidic group has a cross-linked structure.
- 11. The sustained-release polymer for amino acid derivative according to claim 10, wherein the cross-linked structure is formed by the reaction of nitrile group with a hydrazine type compound.
- 12. The sustained-release polymer for amino acid derivative according to claim 10, wherein the cross-linked structure is formed by copolymerization of a cross-linking vinyl monomer.
- 13. The sustained-release polymer for amino acid derivative according to any of claims 1 to 12, wherein the

polymer containing acidic group is in particles.

- 14. The sustained-release polymer for amino acid derivative according to any of claims 1 to 11, wherein the polymer containing acidic group is fibrous.
- 15. A method for the manufacture of the sustained-release polymer for amino acid derivative mentioned in any of claims 1 to 14, characterized in that, a solution of amino acid derivative is added to a polymer containing acidic group and then the polymer is dried at 40 to 100°C.
- 16. A cosmetic containing the sustained-release polymer for amino acid derivative mentioned in claim 13.
- 17. A fiber structure containing the sustained-release polymer for amino acid derivative mentioned in claim 13 or 14.
- 18. The fiber structure according to claim 17, wherein the fiber structure is selected from underwear, stomach band, supporter, mask, gloves, socks, stockings, pajama, bathrobe, towel, mat and bedclothes.
- 19. A method for the manufacture of the fiber structure mentioned in claim 17 or 18, characterized in that, a solution of amino acid derivative is added to a material fiber structure which contains a polymer containing acidic group and then the fiber structure is dried at 40 to 100°C.
- 20. A method for regeneration of a sustained-release polymer for amino acid derivative, characterized in that, a solution of amino acid derivative is added to the sustained-release polymer for amino acid derivative mentioned in any of claims 1 to 14 or to the fiber structure mentioned in claim 17 or 18 in which amount of the amino acid derivative bonded thereto has lowered as a result of use and then the polymer

or the fiber structure is dried.